

## MMA 160

290-010100-00000



- TEAMWELDER MMA 160 – the ideal companion for construction sites or when on the move
- MMA and TIG lift arc welding
- Antistick – no electrode annealing
- Hot start – safe ignition and re-ignition of electrode
- Arcforce – adaptation to electrode types
- Practical carrying strap, compact size and weighs only 4.8 kg
- 100% suitable for construction sites: Splash-proof, unrestricted generator operation, connection to long mains leads, robust casing
- Mains lead with 16 A earthed plug
- **Overvoltage protection: No damage to machine if inadvertently connected to 400 V**
- Inverter technology: Simple and compact design with high efficiency

- Repair work in workshops, for assembly work and on construction sites
- Outdoor and offshore welding work
- Metal construction (stairs and railings), light steel construction
- Agricultural and forestry operations
- Municipal and mining operations
- Building construction and road-building
- DIYers and enthusiasts

	MMA	TIG
Setting range for welding current	10 A - 150 A	10 A - 160 A
Duty cycle at ambient t.e	40 °C	
30 %	–	160 A
35 %	150 A	–
60 %	120 A	130 A
100 %	100 A	
Open circuit voltage	105 V	
Mains frequency	50 Hz / 60 Hz	
Max. connected load	6.4 kVA	4.6 kVA
Recommended generator power	8.6 kVA	6.2 kVA
cos φ	0.99	
Efficiency	86 %	
Dimensions machine, LxWxH in mm	430 x 155 x 255, 361 x 116 x 224	
Weight, machine	4.8 kg	
Protection classification	IP 23	
Standards	IEC 60 974-1; -10 / S-Safety sign / EMC class A / EAC	



## MMA 160

The lightweight, powerful MMA welding machine –  
Ideal for construction site use

### Energy cost-saving inverter technology

- High efficiency
- Standby function

### 100% suitable for construction sites

- Large mains voltage range for unlimited operation with generators and up to 75 m-long mains lines
- Splash-water protected as per IP 23
- Rugged aluminium housing with impact-resistant plastic cover in front and rear
- Operating elements placed in protected location



### Only 4.8 kg – Mobile enough for any operating site!

- Practical carrying strap for effortless transport over stairs, ladders, in steel construction and on scaffolds

### TIG lift arc

### The way professionals weld

- Safe ignition thanks to a high open circuit voltage and automatic hot start
- Stable arc
- High duty cycle

### Safe and reliable

- **Oversvoltage protection:** No damage to machine if inadvertently connected to 400 V mains voltage
- Temperature-overload protection
- Dust-protected electronics

### Welding procedure selection

- MMA
- TIG lift arc

### Indicators

- Ready for operation
- Interference

### Welding current adjustment

Large rotary knob for safe operation, even with gloves

### Antistick – No electrode annealing

If the electrode sticks, e.g. due to a low welding current, the system automatically switches to the minimum current level

### Automatic hot start

Safe ignition and re-ignition of stick electrode

### Arcforce

Ensures optimum welding properties of the various electrode types: rutile (R), rutile-basic (RB), basic (B), rutile-cellulose (RC)

## Accessories

### TW-SR 9 GDV 4m

294-080095-10104



- Gas cooled TIG welding torch with rotary gas valve
- Compatible with SR replacement parts
- For connection to welding machines without gas valve
- Please ensure the welding torch is always equipped according to the diameter of the tungsten electrode
- **Equipment ex works:** Collet,  $\varnothing$  1.6 mm, collet body,  $\varnothing$  1.6 mm, size 6 (30 mm) gas nozzle, grey electrode,  $\varnothing$  1.6 mm, back cap, long

### BWG UNI

290-001001-00000



Transport cart for welding machine and 200-bar shielding gas cylinder **up to 20 l**

### DM 842 Ar/CO2 230bar 15l D

394-002910-00015



- Pressure regulator with manometer
- Manufactured in accordance with ISO 2503
- Maximum primary pressure of 230 bar
- Single-stage
- Infinite and highly accurate adjustment
- Safety manometer with pressure meter or flow meter (bar/psi or litres per minute)
- With cut-off valve

### WK16mm<sup>2</sup> 170A/60% 4m/K

094-005314-00000



- Completely assembled workpiece lead with terminal

## Accessories

EH 16qmm 4m  
094-005313-00000



- Fully assembled electrode holder with cable

WPHW 460G  
098-001552-00000



- Chipping hammer with ash wooden handle and steel wedge
- Sharpened and hardened

WBST 2R  
098-001243-00000



- Wire brush, steel, 2-row

HSB 90x110 mm  
098-000203-00000



- Welding shield made of plastic with fully inserted glass fibre fabric
- Curved, pre-fabricated version
- Flame-retardant
- UV resistant, no moisture absorption
- Cold and heat resistant from -20°C to 200°C
- Please remember to order suitable lenses of the required shade level separately

## Accessories

### SE 6013 RC BLAU 2.0mmX300

097-003530-20300



- Rutile/cellulose coated stick electrode
- Can be welded in any position, including vertically down
- Excellent ignition and reignition characteristics
- Even with rusty, primed and galvanised workpieces thanks to the aggressive arc
- Very good mechanical quality values